Abstract of the Disclosure

A controller configuration system and user interface therefor are disclosed for creating and editing controller function block diagrams for use in control systems. The interface provides feedback loop identification features, wire connection cross-referencing and hyperlinks, wire connector name matching, pin datatype visualization,

5   correct wiring indication and wiring error indications, and intelligent deletion and restoration features. In addition, the interface provides block morphing, free-form text boxes, error navigation, error indication, and block execution status information.